

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Appl. No. : National Phase of PCT/EP03/03147  
Applicant : HEIM  
Filed : Herewith  
TC/A.U. :  
Examiner :

Docket No. : 2732-146  
Customer No. : 06449  
Confirmation No. :

**INFORMATION DISCLOSURE STATEMENT**

Director of the United States Patent  
and Trademark Office  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Dear Sir:

Under the provisions of 37 C.F.R. §§ 1.56, 1.97 and 1.98, Applicant submits herewith information that the Office may wish to consider in examination of the subject application. Materials submitted for consideration are listed on the attached form PTO-1449. Copies of the US patent documents listed on the accompanying 1449 are not being furnished in accordance with the August 5, 2003 OG notice of waiver of this requirement.

The relevance of any foreign-language reference for which an English- language translation is cited in the International Search Report.

Respectfully submitted,

By



George R. Repper  
Attorney for Applicants  
Registration No. 31,414  
ROTHWELL, FIGG, ERNST & MANBECK, p.c.  
Suite 800, 1425 K Street, N.W.  
Washington, D.C. 20005  
Telephone: (202)783-6040

Complete if Known

10/509178

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

Application Number

Filing Date

Herewith

First Named Inventor

HEIM

Group Art Unit

Examiner Name

Sheet

1

of

1

Attorney Docket Number

2732-146

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code <sup>2</sup> (if known)		
	1	4,393,120		WATAI et al.	07-12-1983
	2	4,791,017		HOFMANN et al.	12-13-1988
	3	5,409,782		MURAYAMA	04-25-1995
	4	6,146,773		KAULE	11-14-2000

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Name of Patentee of Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T <sup>6</sup>
		Office <sup>3</sup> Code	Number <sup>4</sup>	Kind <sup>5</sup> (if known)			
	5	EP	0 727 506	A1	Orient Watch Co., Ltd.	08-21-1996	
	6	EP	0 825 297	A1	Tokushu Paper Mfg., Co., Ltd.	02-25-1998	
	7	GB	2 138 027	A	Citizen Watch Co., Ltd.	10-17-1984	
	8	JP	03 056662		Seiko Epson Corp.	03-12-1991	√

Examiner  
SignatureDate  
Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Unique citation designation number. <sup>2</sup>See attached Kinds of U.S. Patent Documents. <sup>3</sup>Enter Office that issued the document, by the two-letter code. <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language translation is attached. AB indicates that only an English language abstract is attached.